PORTABLE PRECAST CONCRETE MEDIAN BARRIER

ATTENUATION DEVICES
1 Each - Type B-65

REVISIONS

DATE

O7-19-01
Revised sign spacing
04-10-02
Revised sign spacing
07-19-02
Reversed End Road Work
A Speed Limit Signs
07-25-03
Revise W2D-1 and
minimum fee signs
Revised fee sign, warnin
sign spacing & note 10
Revised sign sequence
12-01-04
PE Stamp odded
Revised W4-2. Replaced
Adv. Warning Table
Added note 11

CHANGE

DATE

See precast concrete median barrier table

and sealed by

MARK S GAYDOS

Registration Number

PE-4518,

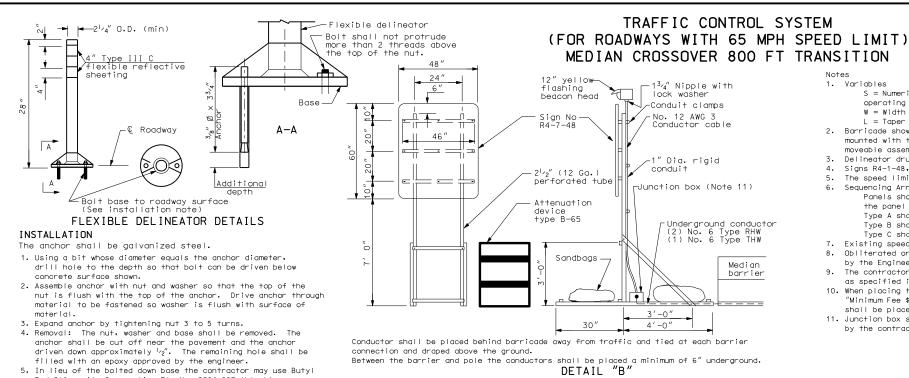
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on 10/12/05 and the

is stored at the North

Dakota Department

of Transportation



-¢ Existina drivina lane

L∆ttenuation devices

- Additional widening

for median crossover

- S = Numerical value of, posted speed limit, or off-peak 85th percentile speed prior to work starting, or the anticipated operating speed in mph.
- W = Width of offset in feet.
- L = Taper length in feet. Speeds 40 mph or less L=WS²/60. Speeds 45 mph or greater L= WS.
- 2. Barricade shown to be placed on roadway shall be on a moveable assembly. Sign to be mounted on barricades shall be mounted with the sign bottom on the top of the top barricade bar. sign shown to be placed on the roadway shall be placed on moveable assemblies.
- Delineator drums used for tapering traffic and for tangents shall be spaced as shown.

TYPE III BARRICADES
3 Each

FLASHING BEACON 1 Each

ADVANCE WARNING SIGN SPACING

Urban - High Speed (over 40 mph to 50 mph) 360 360 360

Road Type

Rural - High Speed (over 50 mph to 65 mph) 720

Urban - Low Speed (30 mph or less)

Urban Expressway and Freeway (55 mph to 60 mph)

Interstate/4-Lane Divided

Urban - Low Speed (over 30 to 40 mph

Distance Between Signs

Min. (ft)

150

1350

1500

1000

720 720

2200

1500

280 280 280

850

1000

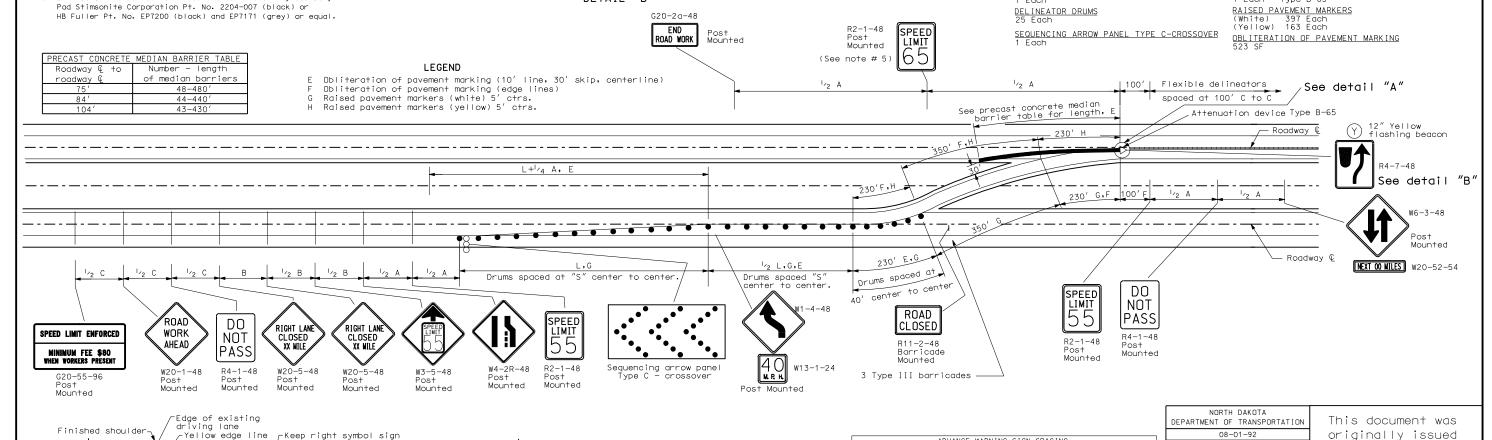
750

- Signs R4-1-48, W6-3-48 and W20-52-54 shall be installed at one mile increments and after each interchange
- The speed limit sign shall be placed only if the crossover is over 1 mile from an interchange exit ramp.
- 6. Sequencing Arrow Panels

Panels should normally be placed at the beginning of the taper. Where shoulder width does not provide sufficient room. the panel should be moved closer to the work area so that it can be placed on the roadway surface.

Type A shall be used on roadways with slow moving traffic speeds and low volume (25 mph and 750 ADT or less)

- Type B shall be used on roadways with moderate traffic speeds and volumes (40 mph and 5000 ADT or less)
- Type C shall be used on roadways with high traffic speeds and volumes (over 40 mph and 5000 ADT)
 7. Existing speed limit signs within a reduced speed zone shall be covered.
- Obliterated or covered pavement marking shall be paid for as Obliteration of Pavement Marking. The covering shall be approved by the Engineer.
- 9. The contractor has the option of using portable sign supports in lieu of post mounted sign as shown on the standard drawings as specified in section 704.03 C.
- 10. When placing the traffic control devices, speed reductions will be necessary. These reduced speed areas shall have the "Minimum Fee \$80" sign placed below the speed limit sign. The "Work Zone Speed Limit Enforced" sign in advance of the project shall be placed at the time the traffic control devices are installed.
- 11. Junction box shall be attached to skid or vertical brace assembly. Junction box shall be weatherproof. Size to be determined by the contractor.



Type I barricade

Delineator drum

Sign

Cones

Type II barricade

Type III barricade

Work area

Sequencing arrow panel

Type A delineator or

vertical panels back to back

Flaager

∽¢ of median

driving lane
Edge of temporary

Edge of temporary

10'

12'

median barrier

ackslashYellow edge line

Edae of existina

DETAIL "A"

drīving lane

shoul der

-Existing finished